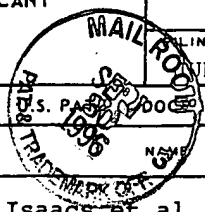


FORM PTO-1419 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. B6/B12DIV 3	SERIAL NO. 08/4 87,280
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Charles Weissmann	
		FILING DATE JUNE 7, 1995	GROUP 1804



EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AL</i>	AA	3 6 9 9 2 2 2	10/17/72	Isaacs et al.	424	85.4	8/5/68
<i>AL</i>	AB	4 1 8 4 9 1 7	1/22/80	Dorner et al.	435	68.1	9/19/77
<i>AL</i>	AC	4 1 9 0 4 9 5	2/26/80	Curtiss, III	435	172.2	9/27/76
<i>AL</i>	AD	4 2 3 7 2 2 4	12/2/80	Cohen et al.	435	69.1 68	1/4/79
	AE	8 0 1 3 4 3		Rutter et al.	424	--	5/27/77
	AF	8 0 5 0 2 3		Rutter et al.	195	--	6/9/77
	AG	8 4 9 5 9 1		Riggs	260	--	11/8/77
	AH	8 4 9 6 9 1		Itakura	535	--	11/8/77
	AI	8 4 9 6 9 2		Itakura et al.	260	--	11/8/77
	AJ	8 9 7 7 0 9		Rutter et al.	195	--	4/19/78
	AK	8 9 7 7 1 0		Goodman et al.	195	--	4/19/78

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>AL</i>	AL	1 4 1 2 5 9 1	11/5/75	Great Britain	<del>C07G</del>	7/00	X
<i>AL</i>	AM	1 5 2 1 0 3 2	8/9/78	Great Britain	<del>C07G</del>	7/00	X
<i>AL</i>	AN	1 5 6 8 0 4 7	5/25/78	Great Britain <i>Abstract only</i>	<del>C12N</del>	15/00	X
<i>AL</i>	AO	2 0 1 9 4 0 8	10/31/79	Great Britain	<del>C07H</del>	21/00	X
<i>AL</i>	AP	2 0 2 7 0 3 3	2/13/80	Great Britain	<del>C07H</del>	21/00	X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>AL</i>	AR			Abstracts, Conference On Regulatory Functions Of Interferons", New York Academy of Sciences (October 23-26, 1979)
<i>AL</i>	AS			"Purification Of Interferon mRNA By Hybridizing Induced Material to cDNA", Research Disclosure, No. 183009, pp. 361-62 (July 1979).
<i>AL</i>	AT			R. Ambler et al., "Partial Amino Acid Sequence Of Penicillinase Coded By Escherichia Coli Plasmid R6K", Proc. Natl. Acad. Sci. USA, 75, pp. 3732-36 (August 1978)

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 2/13/87
--------------------------------	----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Charles Weissmann

FILING DATE  
JUNE 7, 1995

GROUP

1804

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
AA	913533	Gilbert			6/8/78
AB	41909	Rutter et al.	424		5/24/75
AC	107267	Rutter et al.	424		12/26/75
AD					
AE					
AF					
AG					
AH					
AI					
AJ					
AK					

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
L	AL 2031434	4/23/80	Great Britain	C12N	15/00	X	
L	AM 2033905	5/29/80	Great Britain	C12N	15/00	X	
L	AN 2034323	6/4/80	Great Britain	C12N	15/00	X	
L	AO 2034717	6/11/80	Great Britain	C12N	15/00	X	
L	AP 2037296	7/9/80	Great Britain	C07C	7/00	X	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

L	AR	P. Beverley et al., "Killing Comes Naturally", <u>Nature</u> , 278, pp. 119-20 (March 8, 1979)
L	AS	*F. Bolivar et al., "Construction And Characterization Of New Cloning Vehicles II. A Multipurpose Cloning System", <u>Gene</u> , 2, pp. 95-113 (1977)
L	AT	*P. Bridgen et al., "Human Lymphoblastoid Interferon", <u>J. Biol. Chem.</u> , 252, pp. 6585-87 (1977)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if no in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 12DIV 3	SERIAL NO. 08/487,280
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Charles Weissmann	
U.S. PATENT DOCUMENTS		GROUP 180 4	

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D. IF APPROP.
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AL	2 7 2 4 9 1 8	--	Germany (DT)	<del>C07g</del>	<del>07</del>	X
AM	2 9 3 0 6 0 4	--	Germany (DT)	<del>C07h</del>	<del>21/02</del>	X
AN	0 0 1 1 5 6 0	5/28/80	European Pat. Appln.	<del>C12N</del>	<del>15/00</del>	X
AO	0 0 2 0 1 4 7	12/10/80	European Pat. Appln.	<del>C12N</del>	<del>15/00</del>	X
AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	*S. Broome et al., "Immunological Screening Method To Detect Specific Translation Products", <u>Proc. Natl. Acad. Sci. USA</u> , 75, pp. 2746-49 (June 1978)
AS	C. Burrell et al., "Expression In Escherichia coli Of Hepatitis B Virus DNA Sequences Cloned In Plasmid pBR322", <u>Nature</u> , 279, pp. 43-47 (May 3, 1979)
AT	M. Casadaban et al., "Lactose Genes Fused To Exogenous Promoters In One Step Using A Mu-Lac Bacteriophage: In Vivo Probe For Transcriptional Control Sequences", <u>Proc. Natl. Acad. Sci. USA</u> , 76, pp. 4530-33 (September 1979)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

B6/B12DIV3

08/487,280

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Charles Weissmann

FILING DATE

JUNE 7, 1995

GROUP

1804

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME OF INVENTOR	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	*R. Cavalieri et al., "Synthesis Of Human Interferon By Xenopus Laevis Oocytes: Two Structural Genes For Interferons In Human Cells", <u>Proc. Natl. Acad. Sci. USA</u> , 74, pp. 3287-91 (August 1977)
AS	A.C.Y. Chang et al., "Phenotypic Expression In <u>E. coli</u> Of A DNA Sequence Coding For Mouse Dihydrofolate Reductase", <u>Nature</u> , 275, pp. 617-24 (October 19, 1978)
AT	*P. Farrell et al., "Interferon Action: Two Distinct Pathways For Inhibition Of Protein Synthesis By Double-Stranded RNA", <u>Proc. Natl. Acad. Sci. USA</u> , 75, pp. 5893-97 (December 1978)

EXAMINER

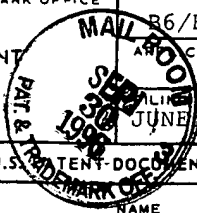
DATE CONSIDERED

2/12/97

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.




FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. B6/B12DIV 3		SERIAL NO. 08/487,280	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Charles Weissmann			
				JAN 7 1995		GROUP 1804	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	CLASS	SUBCLASS	FILING DA IF APPROPRI		
AA							
AB							
AC							
AD							
AE							
AF							
AG							
AH							
AI							
AJ							
AK							
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
L	AR	T.H. Fraser et al., "Chicken Ovalbumin Is Synthesized And Secreted By <u>Escherichia coli</u> ", <u>Proc. Natl. Acad. Sci. USA</u> , 75, pp. 5936-40 (December 1978)					
L	AS	A. Fritsch et al., "Clonage Du Génome Du Virus De L'hépatite B Dans <u>Escherichia coli</u> ", <u>C. R. Acad. Sc. Paris</u> , 287, Série D, pp. 1453-56 (December 18, 1978)					
L	AT	*J. Fujisawa et al., "Nonglycosylated Mouse L Cell Interferon Produced By The Action Of <u>Tunicamycin</u> ", <u>J. Biol. Chem.</u> , 253, pp. 8677-79 (1978)					
EXAMINER				DATE CONSIDERED			
[Signature]				2/13/97			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							


FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. B6/B12DIV 3		Sheet <u>6</u> of <u>  </u> SERIAL NO. 08/487,280	
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>				APPLICANT <b>Charles Weissmann</b>		FILING DATE JUNE 7, 1995	
				GROUP 1804			



U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILIN IF APPR			
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								

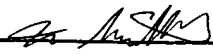
FOREIGN PATENT DOCUMENTS									
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLAT YES				
AL									
AM									
AN									
AO									
AP									

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
	AR	D. Goeddel et al., "Direct Expression In Escherichia Coli Of A DNA Sequence Coding For Human Growth Hormone", <u>Nature</u> , 281, pp, 544-48 (October 18, 1979)							
	AS	D. Goeddel et al., "Expression In Escherichia coli Of Chemically Synthesized Genes For Human Insulin", <u>Proc. Natl. Acad. Sci. USA</u> , 76, pp. 106-10 (January 1979)							
	AT	*M. Grunstein et al., "Colony Hybridization: A Method For The Isolation Of Cloned DNAs That Contain A Specific Gene", <u>Proc. Natl. Acad. Sci. USA</u> , 72, pp. 3961-65 (October 1975)							

EXAMINER 	DATE CONSIDERED 2/13/97
---	----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. B6/B12DIV3		Sheet <u>7</u> of <u>  </u>	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT <b>Charles Weissmann</b>		SERIAL NO. <b>08/487,280</b>	
				FILING DATE <b>JUNE 7, 1995</b>		GROUP <b>1804</b>	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILIN IF APPR	
AA							
AB							
AC							
AD							
AE							
AF							
AG							
AH							
AI							
AJ							
AK							
FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA YES		
AL							
AM							
AN							
AO							
AP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
K	AR	*E. Havell et al., "Altered Molecular Species Of Human Interferon Produced In The Presence Of Inhibitors Of Glycosylation", <u>J. Biol. Chem.</u> , 252, pp. 4425-27 (1977)					
K	AS	R. Herberman et al., "Augmentation By Interferon Of Human Natural And Antibody-Dependent Cell-Mediated Cytotoxicity", <u>Nature</u> , 277, pp. 221-23 (January 18, 1979)					
K	AT	K. Itakura et al., "Expression In Escherichia Coli Of A Chemically Synthesized Gene For The Hormone Somatostatin", <u>Science</u> , 198, pp. 1056-63 (December 9, 1977)					
EXAMINER				DATE CONSIDERED			
				2/3/97			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.							

Sheet <u>8</u> of <u>  </u>						
FORM PTO-1449 REV. 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 08/487,280				
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)						
U.S. PATENT DOCUMENTS		APPLICANT Charles Weissmann				
FILING DATE JUNE 7, 1995		GROUP 180 4				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILIN IF APPR
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA YES
AL						
AM						
AN						
AO						
AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
K	AR	*I. Kerr et al., "pppA2'p5'A2'p5'A: An Inhibitor Of Protein Synthesis Synthesized With An Enzyme Fraction From Interferon-Treated Cells", <u>Proc. Natl. Acad. Sci. USA</u> , 75, pp. 256-60 (January 1978)				
d	AS	*E. Knight, Jr., "Interferon: Puriciation And Initial Characterization From Human Diploid Cells", <u>Proc. Natl. Acad. Sci. USA</u> , 73, pp. 520-23 (February 1976)				
K	AT	J. Lewis et al., "Dual Action Of Double-Stranded RNA In Inhibiting Protein Synthesis In Extracts Of Interferon-Treated Mouse L Cells", <u>Eur. J. Biochem.</u> , 86, pp. 497-506 (1978)				
EXAMINER			DATE CONSIDERED			
			2/13/97			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.						



R6/B12DIV 3

SERIAL NO.

08/487,280

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Charles Weissmann

FILING DATE

JUNE 7, 1995

GROUP

1804

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATED YES
AL					
AM					
AN					
AO					
AP					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

K	AR	J. Martial et al., "Human Growth Hormone: Complementary DNA Cloning And Expression In Bacteria", <u>Science</u> , 205, pp. 602-06 (August 10, 1979)
K	AS	*A. Maxam et al., "A New Method For Sequencing DNA", <u>Proc. Natl. Acad. Sci. USA</u> , 74, pp. 560-64 (February 1977)
K	AT	O. Mercereau-Puijalon et al., "Synthesis Of An Ovalbumin-Like Protein By Escherichia coli K12 Harbouring A Recombinant Plasmid", <u>Nature</u> , 275, pp. 505-10 (October 12, 1978)

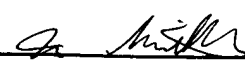
EXAMINER

DATE CONSIDERED

2/13/97

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 10 of     

FORM: PTO-1439 REV. 7-80		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. B6/B12DIV 3		SERIAL NO. 08/487,280	
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)				MAIL ROOM 1995 SEP 7 PAT. & TRADEMARK OFFICE		APPLICANT Charles Weissmann	
				FILING DATE JUNE 7, 1995		GROUP 1804	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI YES
	AL						
	AM						
	AN						
	AO						
	AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
K	AR	*S. Nagata et al., "Synthesis .In E. coli Of A Polypeptide With Human Leukocyte Interferon Activity", <u>Nature</u> , 284, pp. 316-20 (March 27, 1980)					
K	AS	A. Rosenfeld, "Interferon: The Next Wonder Therapy?", <u>The Reader's Digest</u> , pp. 130-33 (November 1979)					
K	AT	*M. Rubinstein et al., "Human Leukocyte Interferon Purified To Homogeneity", <u>Science</u> , 202, pp. 1289-90 (December 22, 1978)					
EXAMINER				DATE CONSIDERED			
				2/13/97			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.							

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Charles Weissmann

FILING DATE

JUNE 7, 1995

GROUP

1804

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI YES
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	AR	*M. Rubinstein et al., "Human Leukocyte Interferon: Production Purification To Homogeneity, And Initial Characterization <u>Proc. Natl. Acad. Sci. USA</u> , 76, pp. 640-44 (February 1979)
✓	AS	P.H. Seeburg et al., "Synthesis Of Growth Hormone By Bacteria <u>Nature</u> , 276, pp. 795-98 (December 21/28, 1978)
✓	AT	J. Shine et al., "Construction And Analysis Of Recombinant DNA For Human Chorionic Somatomammotropin", <u>Nature</u> , 270, pp. 494-99 (December 8, 1977)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PYO-1149  
(REV. 7-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

186/B12DIV 3

08/487,280

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Charles Weissmann

FILING DATE

JUNE 7, 1995

GROUP

1804

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPR
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLAT YES
AL						
AM						
AN						
AO						
AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	AR	*J. Sutcliffe, "Nucleotide Sequence Of The Ampicillin Resistant Gene Of Escherichia Coli Plasmid pBR322", <u>Proc. Natl. Acad. Sci. USA</u> , 75, pp. 3737-41 (August 1978)
✓	AS	*T. Taniguchi et al., "Construction And Identification Of A Bacterial Plasmid Containing The Human Fibroblast Interferon Gene Sequence", <u>Proc. Japan. Acad.</u> , 55, Ser. B, pp. 464-69 (1979)
✓	AT	J. Treuner et al., "Successful Treatment Of Nasopharyngeal Carcinoma With Interferon", preprint

EXAMINER

DATE CONSIDERED

*Ja Smith*

2/13/87

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

B6/B12DIV 3

SERIAL NO.

08/487,280

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

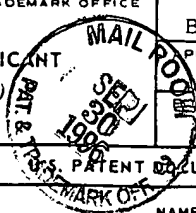
Charles Weissmann

FILING DATE

JUNE 7, 1995

GROUP

1804



EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATED YES
AL					
AM					
AN					
AO					
AP					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

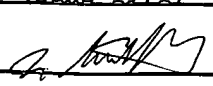
✓	AR	*L. Villa-Komaroff et al., "A Bacterial Clone Synthesizing Proinsulin", <u>Proc. Natl. Acad. Sci. USA</u> , 75, pp. 3727-31 (August 1978)
✓	AS	R. Wagner, "Biological Studies Of Interferon I. Suppression Of Cellular Infection With Eastern Equine Encephalomyelitis Virus", <u>Virology</u> , 13, pp. 323-37 (1961)
✓	AT	*K. Zoon, "Amino Terminal Sequence Of The Major Component Of Human Lymphoblastoid Interferon", <u>Science</u> , 207, pp. 527-28 (February 1, 1980)


EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 14 of 1

FORM PTO-144* (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. B12DIV 3		SERIAL NO. 08/487,280						
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)													
APPLICANT <b>Charles Weissmann</b> DATE JUNE 17, 1995						GROUP 1804							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING IF APPROX
L	AA	4	2	4	1	1	7	4	12/23/80	Familletti et al.	435	5	11/24
L	AB	4	2	6	2	0	9	0	4/14/81	Colby, Jr., et al.	435	91,33	6/4/7
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES
L	AL	0	0	0	1	9	2	9	11/6/78	Europe	<del>C12K</del>	<del>1/02</del>	X
L	AM	0	0	1	8	2	1	8	4/19/79	Europe	<del>C07C</del>	<del>7/00</del>	X
L	AN				2	8	0	3	10/30/80	Europe	<del>C12N</del>	<del>15/00</del>	X
	AO	1	3	9	2	8	9	7	10/30/79	Japan			X
	AP	3	3	9	3	1	8	0	3/19/80	Japan			X
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)													
L	AR	Report "International Workshop On Interferon In The Treatment Of Cancer", (March-April 1975)											
L	AS	Berg et al., Conference On Regulatory Functions Of Interferons Abstract No. 19 (1979)											
L	AT	R. J. Britten and E. H. Davidson, "Repetitive And Non-Repetitive DNA Sequences And A Speculation On The Origins Of Evolutionary Novelty", The Quarterly Review of Biology, 46, pp. 111-133 (June 1971)											
EXAMINER										DATE CONSIDERED			
										2/13/97			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.													

FORM PTO-1469 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. B6/B12DIV3		Sheet <u>15</u> of <u>  </u> SERIAL NO. 08/487,280	
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>				<b>APPLICANT</b> Charles Weissmann		<b>FILED DATE</b> JUNE 7, 1995	
				<b>GROUP</b> 1804			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILIN IF APPR	
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA YES	
	AL						
	AM						
	AN						
	AO						
	AP						
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
✓	AR	D. Goeddel et al., "The Structure Of Eight Distinct Cloned Human Leukocyte Interferon cDNAs", <u>Nature</u> , 290 pp. 20-26 (1981) ("Goeddel III")					
✓	AS	D. E. Kennell, "Principles and Practices of Nucleic Acid Hybridization", <u>Progr. Nucl. Acid Res. Mol. Biol.</u> , 11, pp. 259-301 (1971)					
✓	AT	N. Mantei et al., "The Nucleotide Sequence Of A Cloned Human Leukocyte Interferon cDNA", <u>Gene</u> , 10, pp. 1-10 (May 1980)					
<b>EXAMINER</b> 				<b>DATE CONSIDERED</b> 2/12/87			
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Charles Weissmann

FILING DATE

JUNE 7, 1995

GROUP

1804

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPR
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLAT YES
AL					
AM					
AN					
AO					
AP					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	AR	S. Nagata et al., "The Structure Of One Of The Eight Or More Distinct Chromosomal Genes For Human Interferon- $\alpha$ ", <u>Nature</u> , 281 pp. 401-08 (October 1980) ("Nagata II")
✓	AS	F. Rougeon et al., "Insertion Of A Rabbit $\beta$ -globin Gene Sequence In An E.coli Plasmid", <u>Nucl. Acids Res.</u> , 2, pp. 2365-78 (December 1975)
✓	AT	W. E. Stewart et al., Comparisons Of Several Biological And Physiochemical Properties Of Human Leukocyte Interferons Produced By Human Leukocyte And E.coli", <u>Gene</u> , 11, pp. 181-86 (1980) [Chemical Abstracts, 94: 63542q, p. 550 (March 1981)]

EXAMINER

DATE CONSIDERED

2/13/97

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.



ATTY. DOCKET NO.

B6/B12DIV3

SERIAL NO.

08/487,280

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Charles Weissmann

FILING DATE

JUNE 7, 1995

GROUP

1804

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED IF APPR
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLAT YES
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	AR	M. Streuli et al., "At Least Three Human Type $\alpha$ -Interferons: Structure Of $\alpha 2$ ", <u>Science</u> , 209, pp. 1343-47 (1980) [Chemical Abstracts, 93: 236612x, p. 624 (December 1980)]
✓	AS	T. Taniguchi et al., "Human Leukocyte And Fibroblast Interferon Are Structurally Related", <u>Nature</u> , 285, pp. 547-49 (June 1980) ("Taniguchi II")
✓	AT	C. Weissmann, "The Cloning Of Interferon And Other Mistakes", <u>Interferon</u> (London), 3, pp. 101-134 (1981).

EXAMINER

DATE CONSIDERED

2/12/97

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.